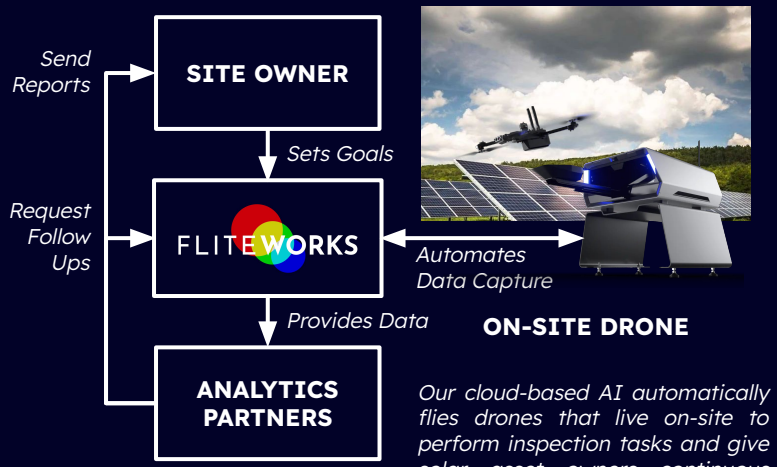
ON-SITE DRONES FOR CONTINUOUS MONITORING

It is more important than ever to keep farms running at peak performance. The Inflation Reduction Act (IRA) sets forth lucrative **Production Tax Credits (PTC)** that pay for each kilowatt-hour produced. It also invests **billions of taxpayer dollars** with the expectation of producing reliable solar infrastructure.

Yet, **most solar farms are visited just once a year**, if at all. Problems like panel degradation, structural failures, plant overgrowth, and animal damage go undetected for a year or more. These cost the solar industry **at least $300 million each year.** They could be avoided with more frequent and thorough monitoring.

Drone charging bases allow a drone to be installed permanently at a remote site in a robust, weatherproof structure. They have recently achieved commercial maturity with proven applications in remote (but currently manual) operation.

We are developing AI that autonomously flies drones to perform monitoring tasks specific to the solar industry. Installing these drones in an on-site charging base will enable daily inspections.



Our cloud-based AI automatically flies drones that live on-site to perform inspection tasks and give solar asset owners continuous knowledge of their sites.

Set! Phase Accomplishments

- Demonstrated automated inspection of solar site
- Computed flight path and actions with our AI
- Created flexible tech foundation for fast growth
- Planned site demonstrations with partners, acquired prospective customers

Go! Phase Demo Goal: Site Deployment

1. Develop commercial-ready product and test with complete deployment at a test site
2. Work with customers to implement **new tasks** that are not possible with status-quo inspections
3. Demonstrate autonomy with existing tasks: construction monitoring, thermography

Solar aerial thermography image, our own — fliteworks.com

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